

Notice of Allowability

Application No.

10/810,199

Applicant(s)

EDWARDS ET AL.

Examiner

Art Unit

Blane J. Jackson

2618

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment filed 06 November 2006.
2. ☒ The allowed claim(s) is/are 11,13,24 and 26.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

DETAILED ACTION

Allowable Subject Matter

Claims 11, 13, 24 and 26 are allowed. The following is a statement of reasons for the indication of allowable subject matter:

As to claims 11 and 24, the prior art made of record discloses various methods to calibrate the first or active and second or sleep mode clock system with corresponding first and second power (saving) modes of a wireless radio module but does not teach a radio module comprising a power management logic operable to calibrate the frequency of a clock generator comprising a first and second clock signals while the radio module is operating in the second or sleep power mode and a timer management module that counts the number of clock cycles of the first and second clock cycles wherein the number of clock cycles counted by the timer when the radio module is operating in the second power mode is converted to an equivalent number of clock cycles that would have been generated by the first clock by using an adjustment factor based on the number of cycles the first clock would generate during a single cycle of the second clock.

As to claims 13 and 26, the prior art made of record discloses various methods to calibrate the first or active and second or sleep mode clock system with corresponding first and second power (saving) modes of a wireless radio module but does not teach a radio module comprising a timer operable to count clock cycles of the first and second clock signals, the timer operable to count the number of clock cycles for the first clock

when the wireless communication system is operating the first power mode and the timer does not count the number of clock cycles for the first clock signals when the wireless communication system is operating in the second (sleep and power saving) power mode and a timer management module operable to maintain a cumulative count of the number of clock cycles counted by the time during a predetermined time interval wherein the timer management module is operable to generate updated timing information using information provide by a power management logic regarding the duration of the time interval the radio module is operating in the second power mode.

Conclusion

Additional prior art made of record and not relied upon but considered pertinent to applicant's disclosure in that they teach other methods to calibrate the sleep/ active clock modes with power savings of a wireless communication mobile station: Young et al. (US 5,995,820), Ormson (US 2004/0067742) and Gardner et al. (US 5,950,120).

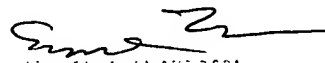
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Blane J. Jackson whose telephone number is (571) 272-7890. The examiner can normally be reached on Monday through Friday, 8:30 AM-6:00 PM, EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward Urban can be reached on (571) 272-7899. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

BJJ


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